NOVEMBER/DECEMBER 2024

23PCA12 — LINUX AND SHELL PROGRAMMING

Time : Three hours Maximum : 75 marks

SHANMUGA INDUSTRIES ARTS & SCIENCE COLLEGE LIBRARY

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. List out any four Bash Shell prompt characters.
2. Define the term : Piping.
3. Outline the Being shifty.
4. Name any two of standard options in common Linux commands.
5. Mention the ways of Returning a value.
6. What is Function Recursion?
7. List the types of Regular expressions.
8. Define the term Anchor characters.
9. List the four different types of default files the zsh shell can handle.
10. What is Python?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Write the procedure for listing Files and Directories.

Or

(b) Discuss on using Double brackets and Parenthesis.

12. (a) Explain the process of Getting user input.

Or

(b) Write a note on Handling signals.

13. (a) Describe the way of using functions on the command line.

Or

(b) Discuss on "sed" editor basics.

14. (a) Explain the concept of Hold space.

Or

(b) Explain the method of using Multiline commands in "sed".

15. (a) Discuss on Dash environment variables.

Or

(b) How do you prepare Emailing reports from scripts? Explain.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the following :

(a) Creating a Script file

(b) Displaying message.

17. Discuss on the Looping method with "for" statement using examples.

18. Describe the procedure for creating Text menus.

19. Explain the method of using Variables in "gawk" in detail.

20. Discuss on the method of Managing User accounts.

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